

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 25, 2003, 14:42:11 ; Search time 10.907 Seconds

(without alignments)  
283.251 Million cell updates/sec

Title: US-09-622-613B-8

Perfect score: 582

Sequence: 1 MDWLTFFQKKHLNTRDVC.....TECVTCENQAPVHFGVGHG 105

Scoring table: BLOSUM62

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	540	92.8	104	1	US-08-467-955-2
2	540	92.8	105	3	US-08-875-811-39
3	540	92.8	355	3	US-08-875-811-41
4	540	92.8	358	3	US-08-875-811-51
5	538	92.4	104	4	US-09-394-268-1
6	538	92.4	104	4	US-09-687-748-1
7	538	92.4	112	3	US-08-875-811-32
8	538	92.4	129	3	US-08-875-811-63
9	538	92.4	251	3	US-08-875-811-59
10	538	92.4	254	3	US-08-875-811-61
11	538	92.4	355	3	US-08-875-811-49
12	538	92.4	355	3	US-08-875-811-57
13	538	92.4	365	3	US-08-875-811-64
14	538	92.4	366	3	US-08-875-811-55
15	538	92.4	379	3	US-08-875-811-43
16	535	91.9	104	1	US-08-283-971-1
17	535	91.9	104	1	US-07-921-619-1
18	535	91.9	104	1	US-08-467-955-1
19	535	91.9	104	2	US-08-891-848-13
20	535	91.9	104	4	US-09-394-268-2
21	535	91.9	104	4	US-09-687-748-2
22	533	91.6	104	4	US-08-875-811-1
23	533	91.6	104	4	US-09-071-672-1
24	533	91.6	105	3	US-08-875-811-26
25	533	91.6	106	3	US-08-875-811-28
26	533	91.6	107	3	US-08-875-811-30
27	532	91.4	105	3	US-08-875-811-24

28	529	90.9	358	3	US-08-875-811-45	Sequence 45, Appl
29	529	90.9	365	3	US-08-875-811-53	Sequence 53, Appl
30	510	87.6	107	3	US-08-875-811-20	Sequence 20, Appl
31	477	82.0	360	3	US-08-875-811-47	Sequence 47, Appl
32	465.5	80.0	111	3	US-08-875-811-22	Sequence 22, Appl
33	427	73.4	83	3	US-08-875-811-2	Sequence 2, Appl
34	427	73.4	83	4	US-09-071-672-3	Sequence 3, Appl
35	274	47.1	111	2	US-08-891-848-12	Sequence 12, Appl
36	274	47.1	111	3	US-08-875-811-8	Sequence 8, Appl
37	202.5	34.8	114	4	US-09-223-118-4	Sequence 4, Appl
38	190.5	32.7	114	4	US-09-223-118-2	Sequence 2, Appl
39	189.5	32.6	114	4	US-09-223-118-1	Sequence 1, Appl
40	187.5	32.2	114	4	US-09-223-118-3	Sequence 3, Appl
41	149.5	25.7	169	1	US-08-441-629-2	Sequence 2, Appl
42	149.5	25.7	169	3	US-08-776-207-2	Sequence 2, Appl
43	149.5	25.7	169	4	US-09-507-773-2	Sequence 2, Appl
44	149.5	25.7	169	5	PCT-US95-09172-2	Sequence 2, Appl
45	143	24.6	28	3	US-08-875-811-3	Sequence 3, Appl

## ALIGNMENTS

RESULT 1  
US-08-467-955-2  
Sequence 2, Application US/08467955  
Patent No. 5728805  
GENERAL INFORMATION:  
APPLICANT: Argel, Ph.D., Wojciech J.  
TITLE OF INVENTION: PHARMACEUTICALS AND METHOD FOR MAKING THEM  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Mark H. Jay, P.A.  
STREET: P.O. Box E  
CITY: Short Hills  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07078-0383  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentlin Release #1.24  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,955  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/178,118  
FILING DATE: 06-APR-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/436,141  
FILING DATE: 13-NOV-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/814,332  
FILING DATE: 03-FEB-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/283,970  
FILING DATE: 01-AUG-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Jay, Mark H.  
REGISTRATION NUMBER: 27507  
REFERENCE/DOCKET NUMBER: 5007 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-912-9066  
TELEFAX: 201-912-0442  
TELEX: NO. 5728805 Applicable  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 104 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear

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Matches 97; Conservative 4; Mismatches 4; Indels 0; Gaps 0;
```

RESOL 4  
US-08-875-811-51

```

; Sequence 51, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Luis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,811
; FILING DATE: 19-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/02588
; FILING DATE: 19-FEB-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/011,800
; FILING DATE: 21-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Paris, Susan K.
; REGISTRATION NUMBER: 41,739
; REFERENCE/DOCKET NUMBER: 015280-244100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 358 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-875-811-51

Query Match          92.8%; Score 540; DB 3; Length 358;
Best Local Similarity 92.4%; Pred. No. 7e-59;
Matches 97; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 1 MODMLTFQKKHLNTRDVCNNILSTNLFHCKDKNFTIYSRPEVKAICGIIASKNVLT 60
|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 MEDMLTFQKKHITNTRDVCNDINMSTNLFHCKDKNFTIYSRPEVKAICGIIASKNVLT 60

QY 61 TEEFYISDCNVTSPCKKYKLLKSTITFCVTCENQAPVHFVGVC 105
|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 TSEFYISDCNVTSPCKKYKLLKSTNKFCVTCENQAPVHFVGVC 105

RESULT 5
US-09-394-268-1
; Sequence 1, Application US/09394268
; Patent No. 6175003
; GENERAL INFORMATION:
; APPLICANT: Saxena, Shalendra K
; TITLE OF INVENTION: NUCLEIC ACIDS ENCODING RIBONUCLEASES AND METHODS OF
; FILE REFERENCE: 5013
; CURRENT APPLICATION NUMBER: US/09/394,268
; CURRENT FILING DATE: 1999-09-10
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1

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; LENGTH: 104
; TYPE: PRT
; ORGANISM: Rana pipiens
; US-09-394-268-1

Query Match          92.4%; Score 538; DB 4; Length 104;
Best Local Similarity 93.3%; Pred. No. 2.4e-59;
Matches 97; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 2 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNFTIYSRPEVKAICGIIASKNVLT 61
|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 QDWLTFQKKHITNTRDVCNDINMSTNLFHCKDKNFTIYSRPEVKAICGIIASKNVLT 60

QY 62 FEEYISDCNVTSPCKKYKLLKSTITFCVTCENQAPVHFVGVC 105
|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 SEFYISDCNVTSPCKKYKLLKSTNKFCVTCENQAPVHFVGVC 104

RESULT 6
US-09-687-748-1
; Sequence 1, Application US/09687748
; Patent No. 6423515
; GENERAL INFORMATION:
; APPLICANT: Saxena, Shalendra K
; TITLE OF INVENTION: METHODS OF MAKING NUCLEIC ACIDS ENCODING RIBONUCLEASES
; FILE REFERENCE: 5013 US 01
; CURRENT APPLICATION NUMBER: US/09/687,748
; CURRENT FILING DATE: 2000-10-14
; PRIOR APPLICATION NUMBER: 09/394,268
; PRIOR FILING DATE: 1999-09-10
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Rana pipiens
; US-09-687-748-1

Query Match          92.4%; Score 538; DB 4; Length 104;
Best Local Similarity 93.3%; Pred. No. 2.4e-59;
Matches 97; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 2 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNFTIYSRPEVKAICGIIASKNVLT 61
|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 QDWLTFQKKHITNTRDVCNDINMSTNLFHCKDKNFTIYSRPEVKAICGIIASKNVLT 60

QY 62 FEEYISDCNVTSPCKKYKLLKSTITFCVTCENQAPVHFVGVC 105
|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 SEFYISDCNVTSPCKKYKLLKSTNKFCVTCENQAPVHFVGVC 104

RESULT 7
US-08-875-811-32
; Sequence 32, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Boque, Luis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

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SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/02568  
FILING DATE: 19-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800  
FILING DATE: 21-FEB-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Faris, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 112 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-875-811-32

Query Match 92.4%; Score 538; DB 3; Length 112;  
Best Local Similarity 92.4%; Pred. No. 2.7e-59;  
Matches 97; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

OY 1 MODLTFQKHILNTRDVDCNNILSTNLFHCKDKNTFIYSRPEVKAICKGIASKNVLT 60  
DB 8 MSDMLTFQKHILNTRDVDCNNILSTNLFHCKDKNTFIYSRPEVKAICKGIASKNVLT 67.  
OY 61 TFEYLSDCNVTSPCKYKLLKSTITFCVTCENQAPVHFGVGC 105  
DB 68 TFEYLSDCNVTSPCKYKLLKSTITFCVTCENQAPVHFGVGC 112

RESULT 8  
US-08-875-811-63  
Sequence 63, Application US/08875811  
Patent No. 6045793  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Bogue, Lluís  
APPLICANT: Wlodawer, Alexander  
TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/02588  
FILING DATE: 19-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800  
FILING DATE: 21-FEB-1996  
ATTORNEY/AGENT INFORMATION:

NAME: Faris, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 63:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 129 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-875-811-63

Query Match 92.4%; Score 538; DB 3; Length 129;  
Best Local Similarity 93.3%; Pred. No. 3.2e-59;  
Matches 97; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

OY 2 QDMLTFQKHILNTRDVDCNNILSTNLFHCKDKNTFIYSRPEVKAICKGIASKNVLT 61  
DB 26 QDMLTFQKHILNTRDVDCNNILSTNLFHCKDKNTFIYSRPEVKAICKGIASKNVLT 85  
OY 62 FFEYLSDCNVTSPCKYKLLKSTITFCVTCENQAPVHFGVGC 105  
DB 86 FFEYLSDCNVTSPCKYKLLKSTITFCVTCENQAPVHFGVGC 129

RESULT 9  
US-08-875-811-59  
Sequence 59, Application US/08875811  
Patent No. 6045793  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Bogue, Lluís  
APPLICANT: Wlodawer, Alexander  
TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/02588  
FILING DATE: 19-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800  
FILING DATE: 21-FEB-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Faris, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 59:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 251 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein

US-08-875-811-59

Query Match  
Best Local Similarity 92.4%; Score 538; DB 3; Length 251;  
Matches 97; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

OY 1 MODWLFOKKHLLNTRDVCNNILSTNLFHCKDKNTFIYSRPEVKAICKGIASKNVLT 60  
147 MSMDLFOKKHLLNTRDVCNNILSTNLFHCKDKNTFIYSRPEVKAICKGIASKNVLT 206  
OY 61 TSEFYLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVC 105  
207 TSEFYLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVC 251

RESULT 10  
US-08-875-811-61  
Sequence 61, Application US/08875811  
Patent No. 6045793  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Bogue, Luis  
APPLICANT: Wlodawer, Alexander  
TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/02588  
FILING DATE: 19-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800  
FILING DATE: 21-FEB-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Paris, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEO ID NO: 61:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 254 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-875-811-61

Query Match  
Best Local Similarity 92.4%; Score 538; DB 3; Length 254;  
Matches 97; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

OY 1 MODWLFOKKHLLNTRDVCNNILSTNLFHCKDKNTFIYSRPEVKAICKGIASKNVLT 60  
1 MSMDLFOKKHLLNTRDVCNNILSTNLFHCKDKNTFIYSRPEVKAICKGIASKNVLT 60  
OY 61 TSEFYLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVC 105  
1 TSEFYLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVC 105

Db 61 TSEFYLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVC 105

RESULT 11  
US-08-875-811-49  
Sequence 49, Application US/08875811  
Patent No. 6045793  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Bogue, Luis  
APPLICANT: Wlodawer, Alexander  
TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/02588  
FILING DATE: 19-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800  
FILING DATE: 21-FEB-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Paris, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEO ID NO: 49:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 355 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-875-811-49

Query Match  
Best Local Similarity 92.4%; Score 538; DB 3; Length 355;  
Matches 97; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

OY 1 MODWLFOKKHLLNTRDVCNNILSTNLFHCKDKNTFIYSRPEVKAICKGIASKNVLT 60  
251 MSMDLFOKKHLLNTRDVCNNILSTNLFHCKDKNTFIYSRPEVKAICKGIASKNVLT 310  
OY 61 TSEFYLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVC 105  
311 TSEFYLSDCNVTSRPCKYKLLKSTITFCVTCENQAPVHFVGVC 355

RESULT 12  
US-08-875-811-57  
Sequence 57, Application US/08875811  
Patent No. 6045793  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Bogue, Luis  
APPLICANT: Wlodawer, Alexander

US-08-875-811-57

TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/02588  
FILING DATE: 19-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800  
FILING DATE: 21-FEB-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Fairs, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0200  
INFORMATION FOR SEQ ID NO: 57:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 355 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-875-811-57

Query Match 92.4%; Score 538; DB 3; Length 355;  
Best Local Similarity 92.4%; Pred. No. 1.2e-58;  
Matches 97; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 1 MODWLTFQKHHLTRVDVDCNNILSTNLFHCKDKNTFTYSRPEPKAIGIISKVLT 60  
DB 1 MSDWLTFQKHHLTRVDVDCNNIMSTNLFHCKDKNTFTYSRPEPKAIGIISKVLT 60  
QY 61 TFEYLSDCNVTSPCKRYKLLKSTTTCVTCENQAPVHFGVGC 105  
DB 61 TFEYLSDCNVTSPCKRYKLLKSTTTCVTCENQAPVHFGVGC 105

RESULT 13  
US-08-875-811-64  
Sequence 64, Application US/08875811  
Patent No. 6045793  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Boque, Lluis  
APPLICANT: Wlodawer, Alexander  
TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/02588  
FILING DATE: 19-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800  
FILING DATE: 21-FEB-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Fairs, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0200  
INFORMATION FOR SEQ ID NO: 64:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 355 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FEATURE:  
NAME/KEY: protein  
LOCATION: 1..355  
OTHER INFORMATION: /note="E6FB[Met-(-1)]Ser[onc]"  
US-08-875-811-64

Query Match 92.4%; Score 538; DB 3; Length 355;  
Best Local Similarity 92.4%; Pred. No. 1.2e-58;  
Matches 97; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 1 MODWLTFQKHHLTRVDVDCNNILSTNLFHCKDKNTFTYSRPEPKAIGIISKVLT 60  
DB 251 MSDWLTFQKHHLTRVDVDCNNIMSTNLFHCKDKNTFTYSRPEPKAIGIISKVLT 310  
QY 61 TFEYLSDCNVTSPCKRYKLLKSTTTCVTCENQAPVHFGVGC 105  
DB 311 TFEYLSDCNVTSPCKRYKLLKSTTTCVTCENQAPVHFGVGC 355

RESULT 14  
US-08-875-811-55  
Sequence 55, Application US/08875811  
Patent No. 6045793  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Boque, Lluis  
APPLICANT: Wlodawer, Alexander  
TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/US97/02588  
FILING DATE: 19-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800  
FILING DATE: 21-FEB-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Faris, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 55:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 366 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-875-811-55

Query Match 92.4% Score 538: DB 3: Length 366;  
Best Local Similarity 92.4% Pred. NO. 1.3e-56;  
Matches 97: Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 1 MODLTFQKKHITNTRDVCNNILSTNLFHCKDKNTFTYSRPEPYKAICKGIASKNVLT 60  
DB 262 MSDMLTFQKKHITNTRDVCNNILSTNLFHCKDKNTFTYSRPEPYKAICKGIASKNVLT 321  
QY 61 TFEYLSDCNVTSRPCYKYLKSTTFCVTCENQAPVHFVGSHC 105  
DB 322 TSEYLSDCNVTSRPCYKYLKSTNKFVCVTCENQAPVHFVGSHC 366

## RESULT 15

US-08-875-811-43  
Sequence 43, Application US/08875811  
Patent No. 6045793  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Bogue, Lilius  
APPLICANT: Wlodawer, Alexander  
TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/02588  
FILING DATE: 19-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800  
FILING DATE: 21-FEB-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Faris, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 43:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 379 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-875-811-43

Query Match 92.4% Score 538: DB 3: Length 379;  
Best Local Similarity 93.3% Pred. NO. 1.3e-56;  
Matches 97: Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 2 QDWLTFQKKHITNTRDVCNNILSTNLFHCKDKNTFTYSRPEPYKAICKGIASKNVLT 61  
DB 26 QDWLTFQKKHITNTRDVCNNILSTNLFHCKDKNTFTYSRPEPYKAICKGIASKNVLT 85  
QY 62 TFEYLSDCNVTSRPCYKYLKSTTFCVTCENQAPVHFVGSHC 105  
DB 86 TSEYLSDCNVTSRPCYKYLKSTNKFVCVTCENQAPVHFVGSHC 129

Search completed: June 25, 2003, 15:00:16  
Job time: 11.907 secs

